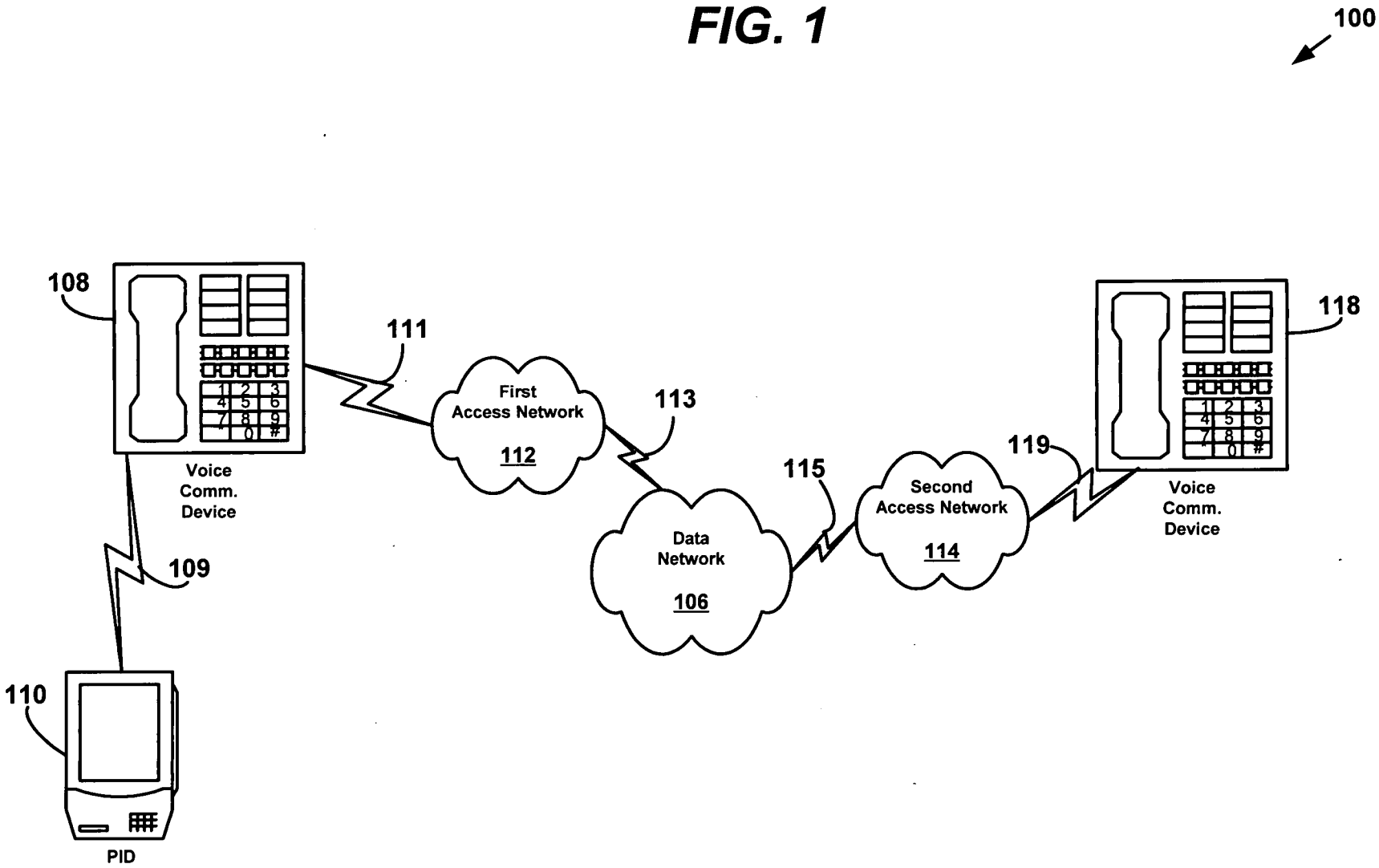
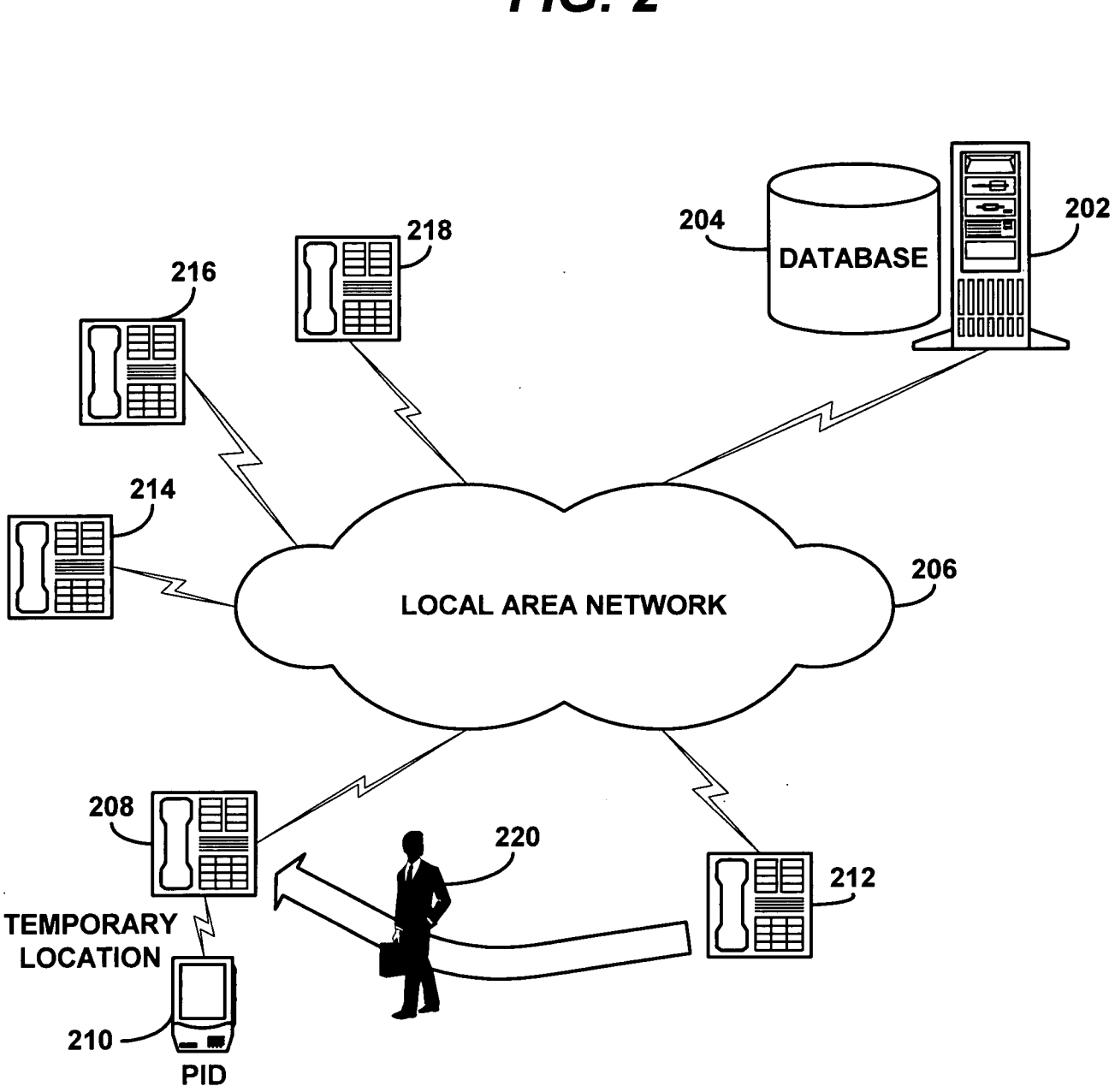
006220 "96ZST60

FIG. 1



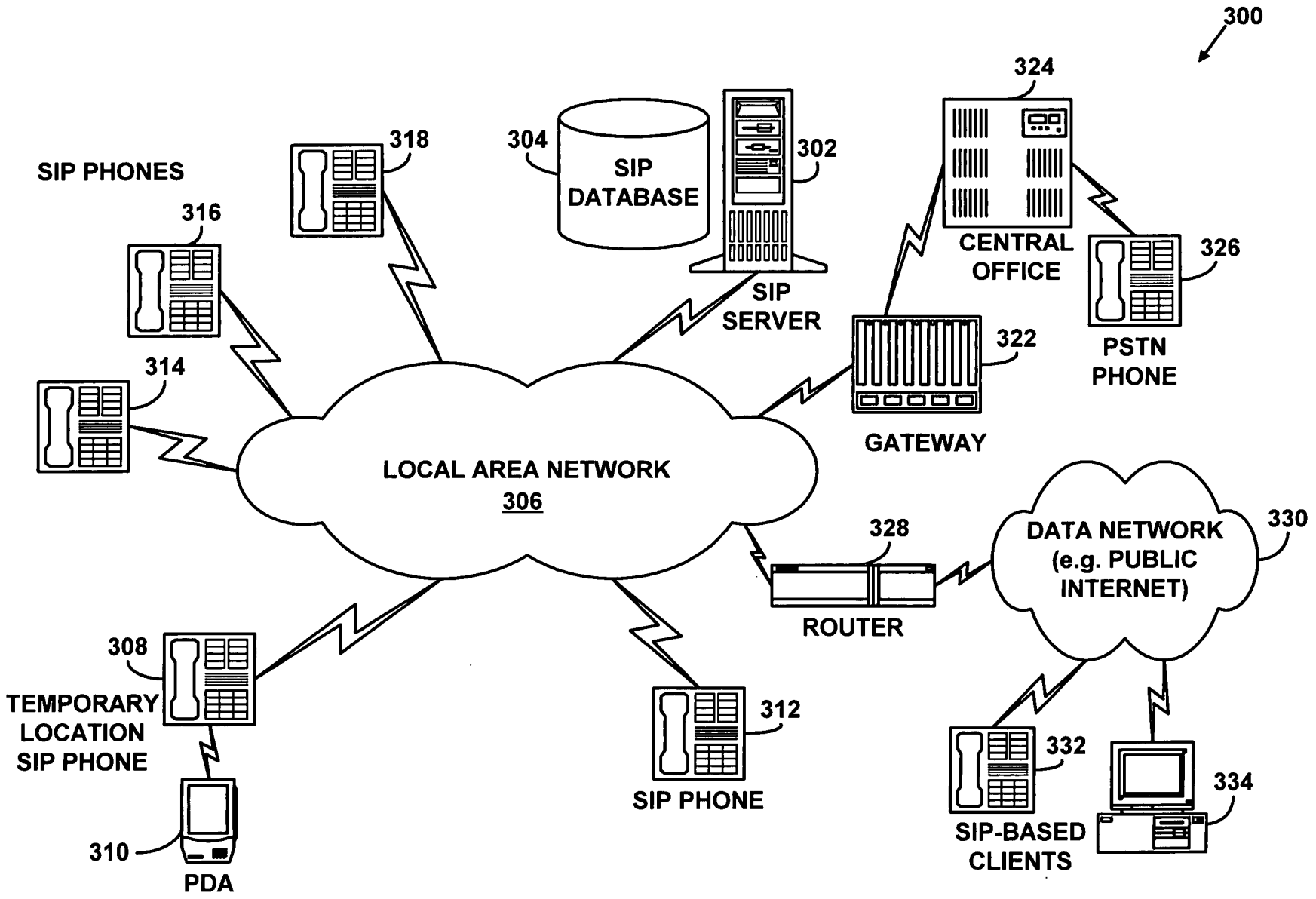
006220 "96 ST560

FIG. 2



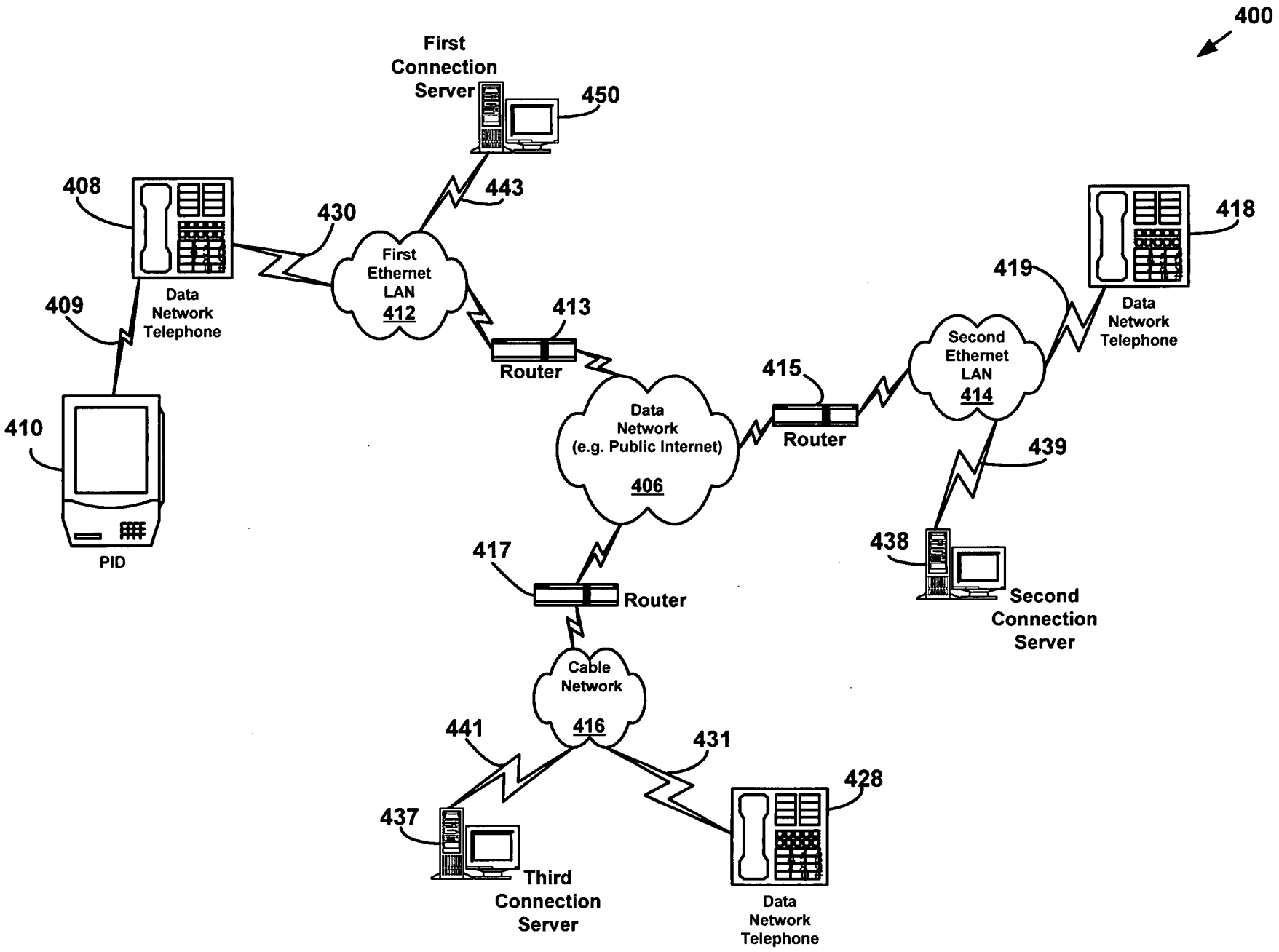
006320 96/5T560

FIG. 3



0062201.9625T560

FIG. 4



006220 9625T560

FIG. 5A

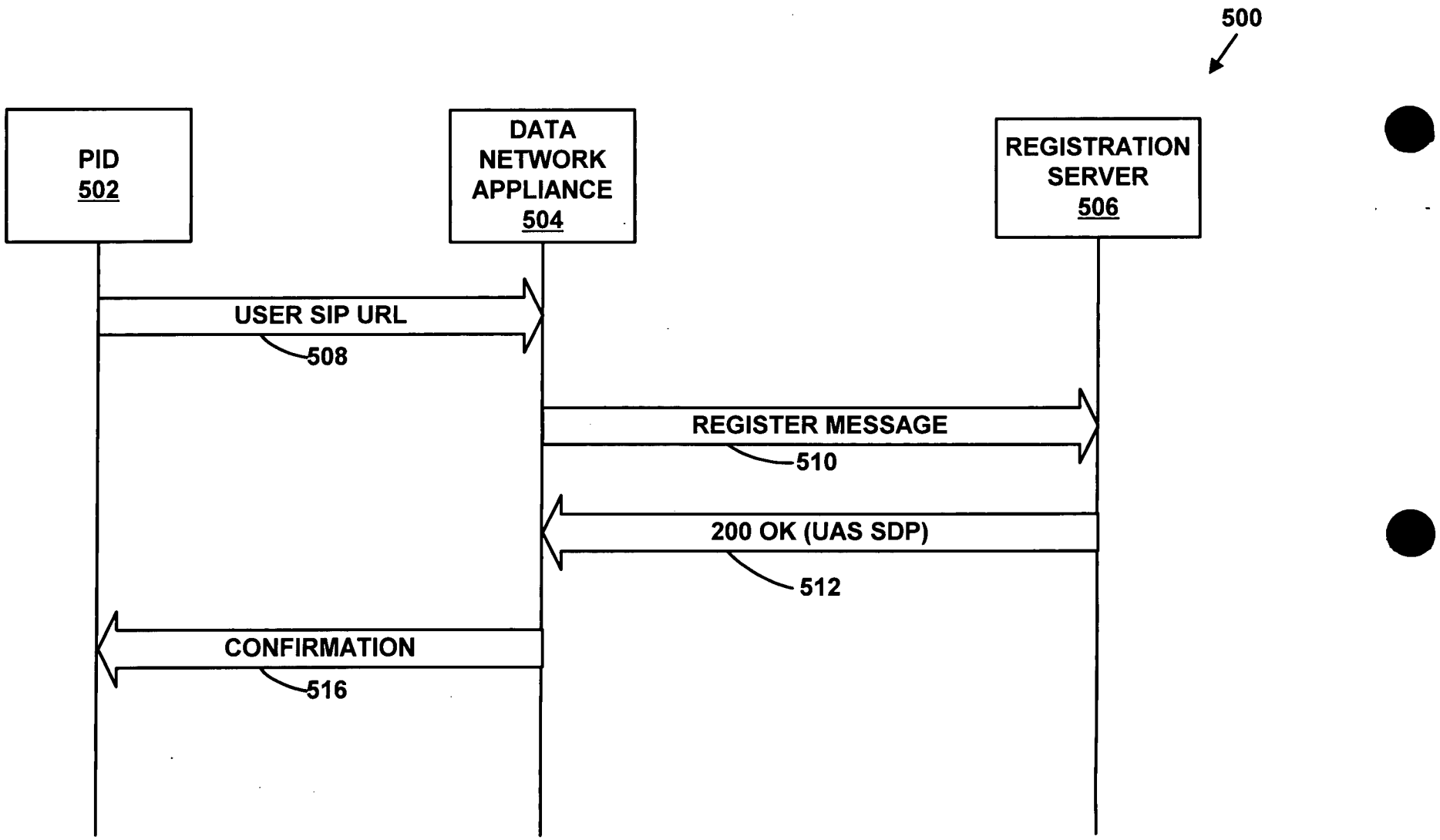


FIG. 5B

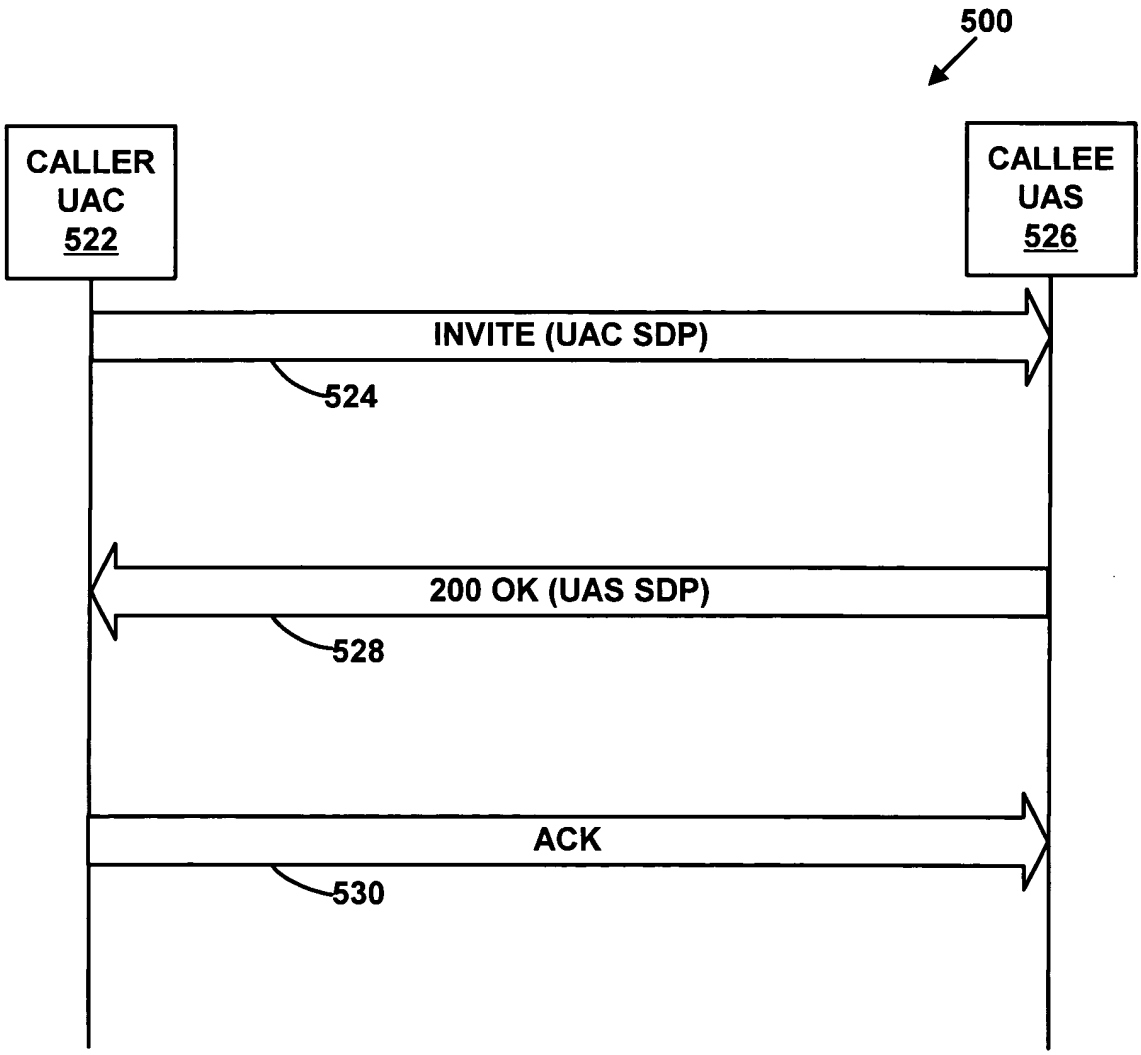
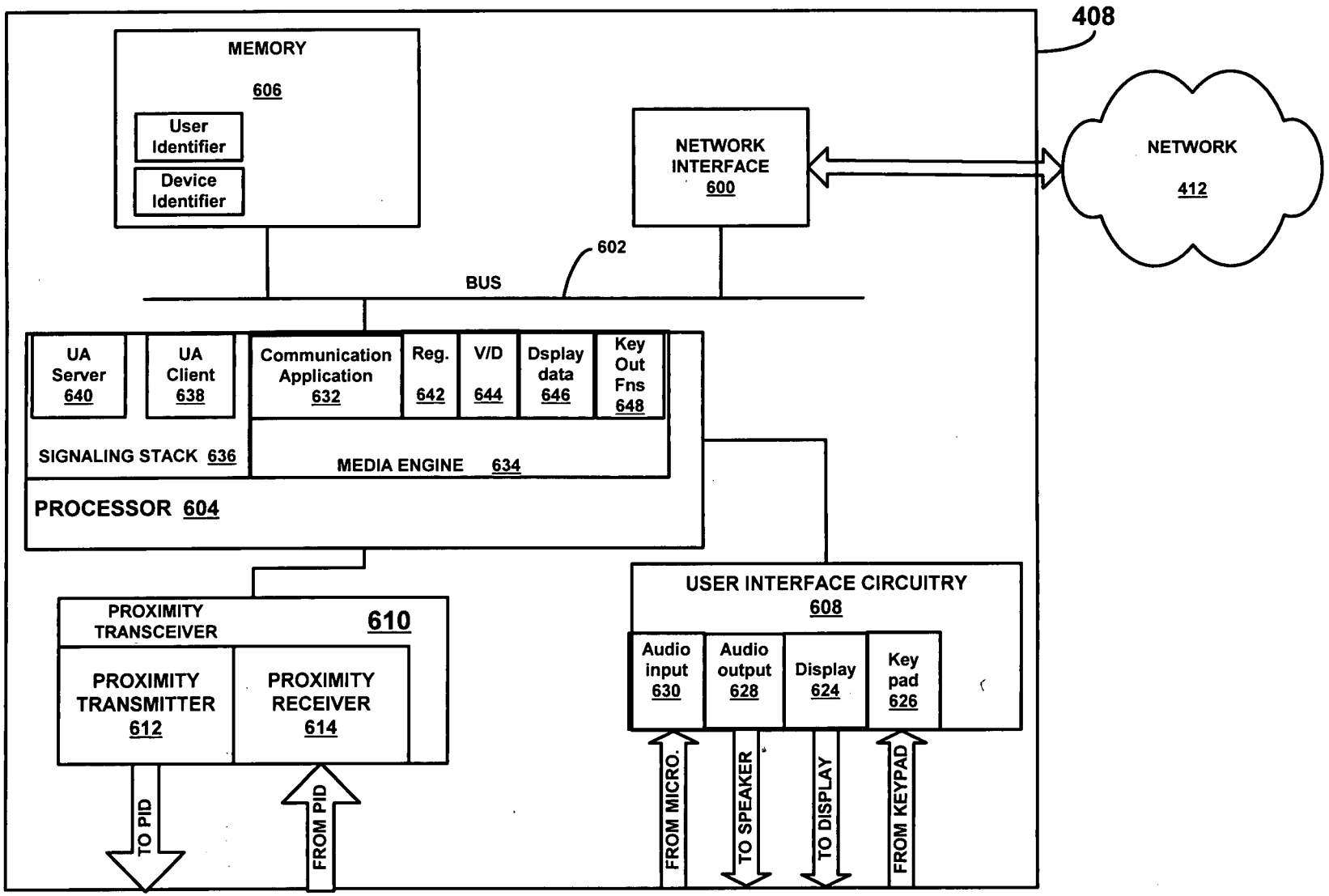
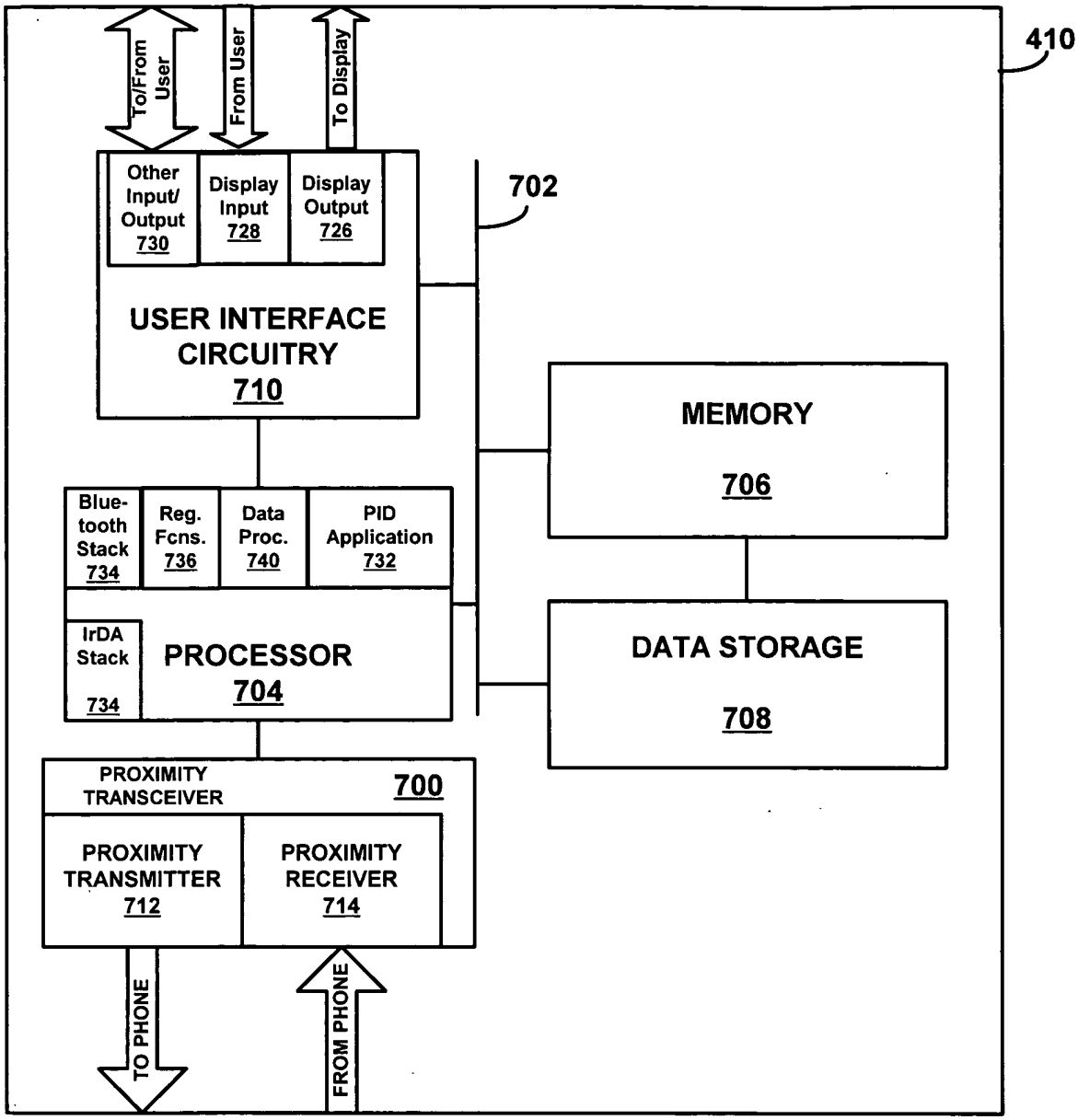

500
CALLER UAC 522
CALLEE UAS 526
INVITE (UAC SDP)
524
200 OK (UAS SDP)
528
ACK
530

FIG. 6



DATA NETWORK TELEPHONE

FIG. 7


410
To/From User
From User
To Display
Other Input/ Output 730
Display Input 728
Display Output 726
702
USER INTERFACE CIRCUITRY 710
MEMORY 706
Blue-tooth Stack 734
Reg. Fcns. 736
Data Proc. 740
PID Application 732
IrDA Stack 734
PROCESSOR 704
DATA STORAGE 708
PROXIMITY TRANSCEIVER 700
PROXIMITY TRANSMITTER 712
PROXIMITY RECEIVER 714
TO PHONE
FROM PHONE

PID

FIG. 8

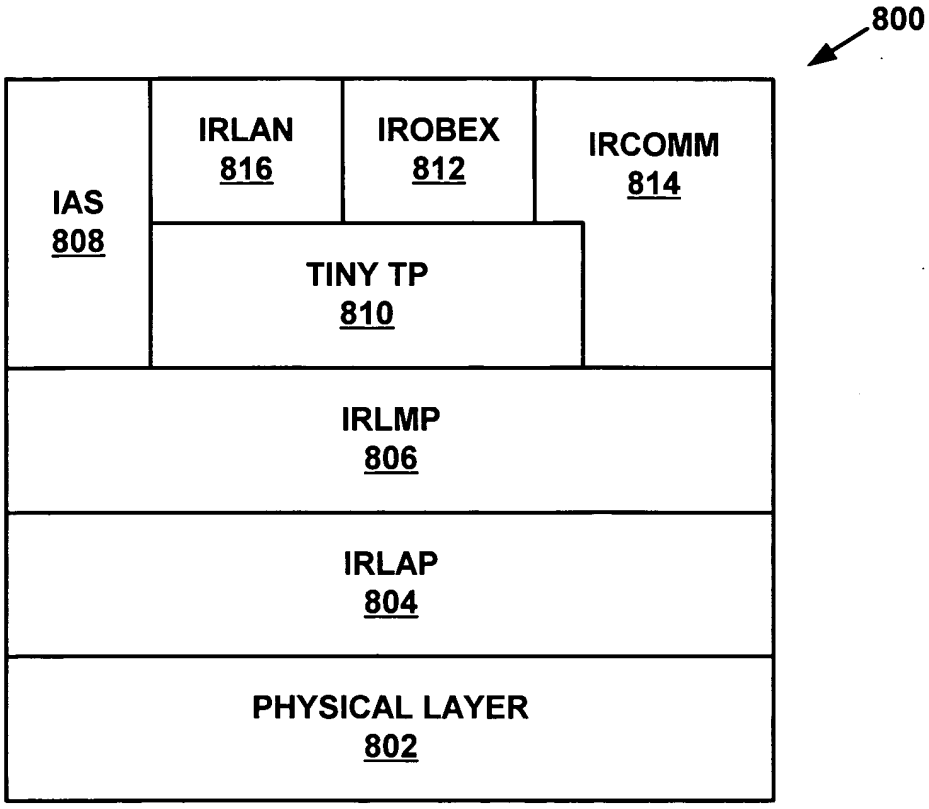
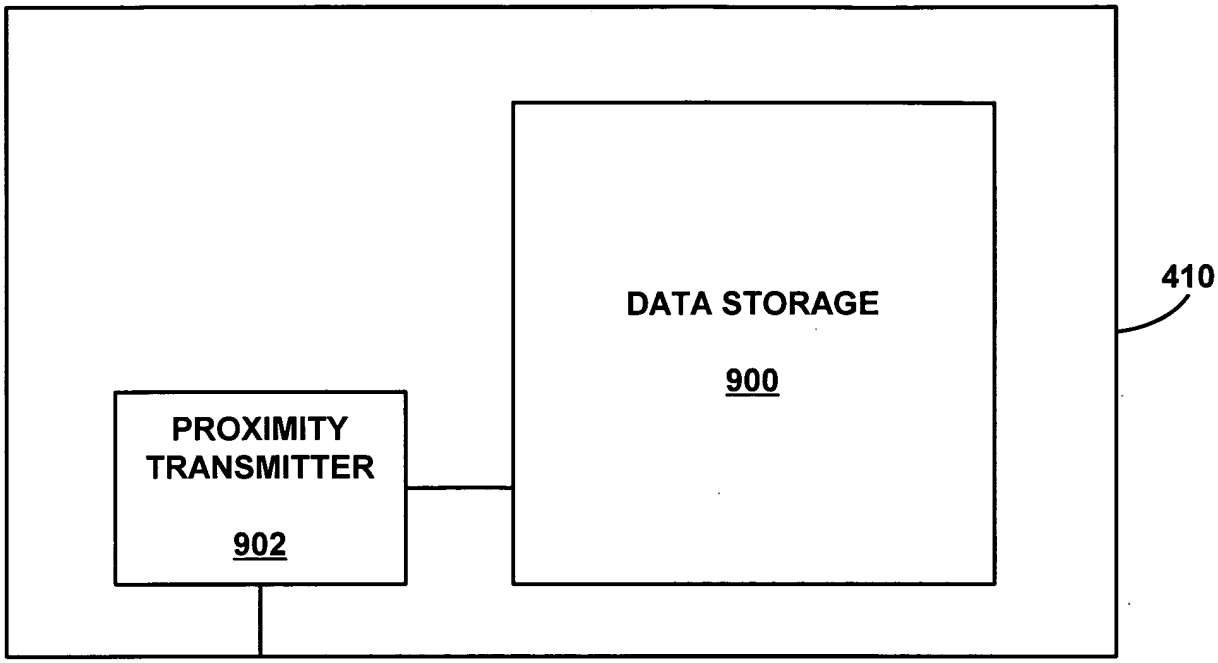
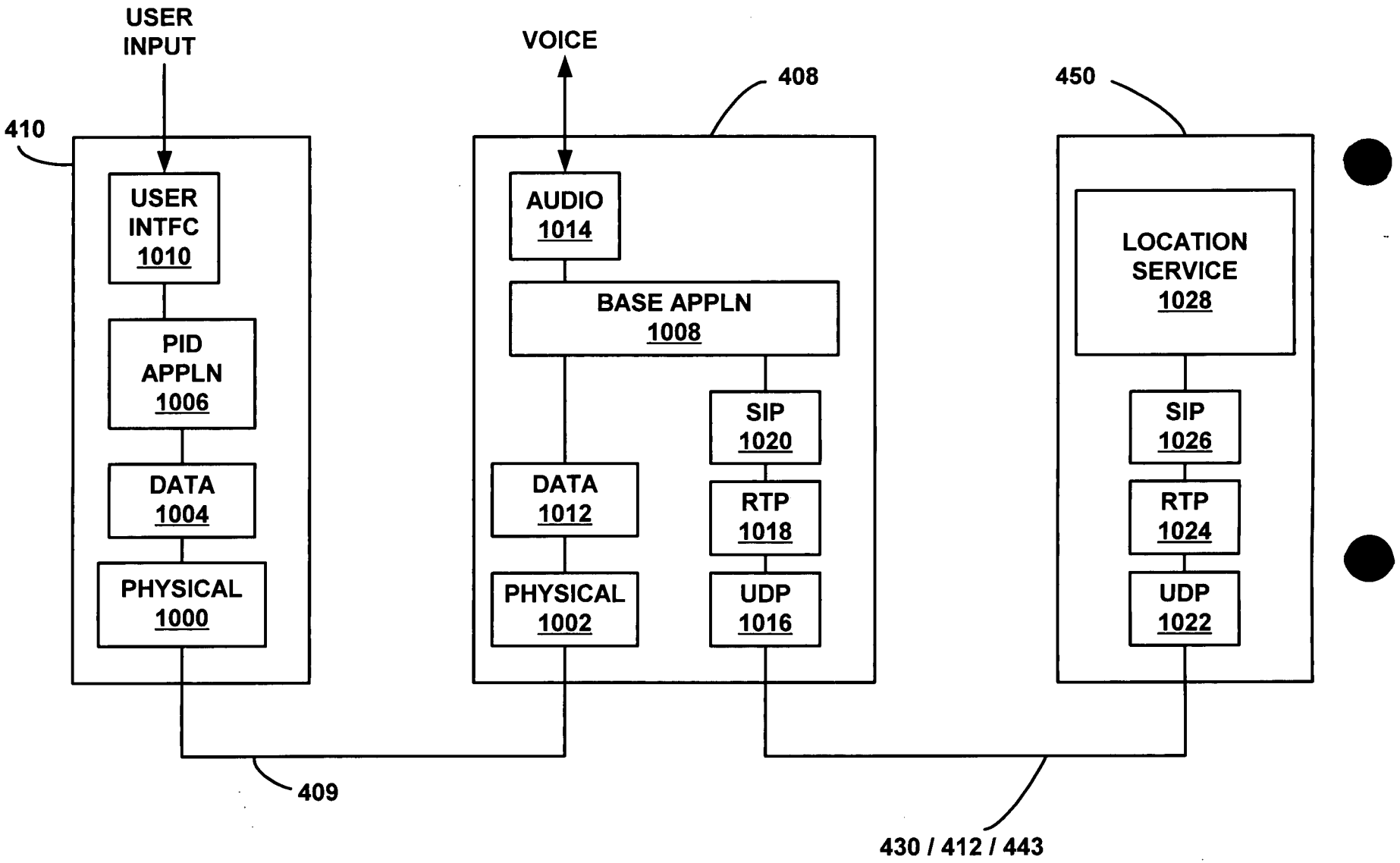

800
IAS
808
IRLAN
816
IROBEX
812
IRCOMM
814
TINY TP
810
IRLMP
806
IRLAP
804
PHYSICAL LAYER
802

FIG. 9



006220 "962STS60

FIG. 10



006220 "962STSOO

FIG. 11

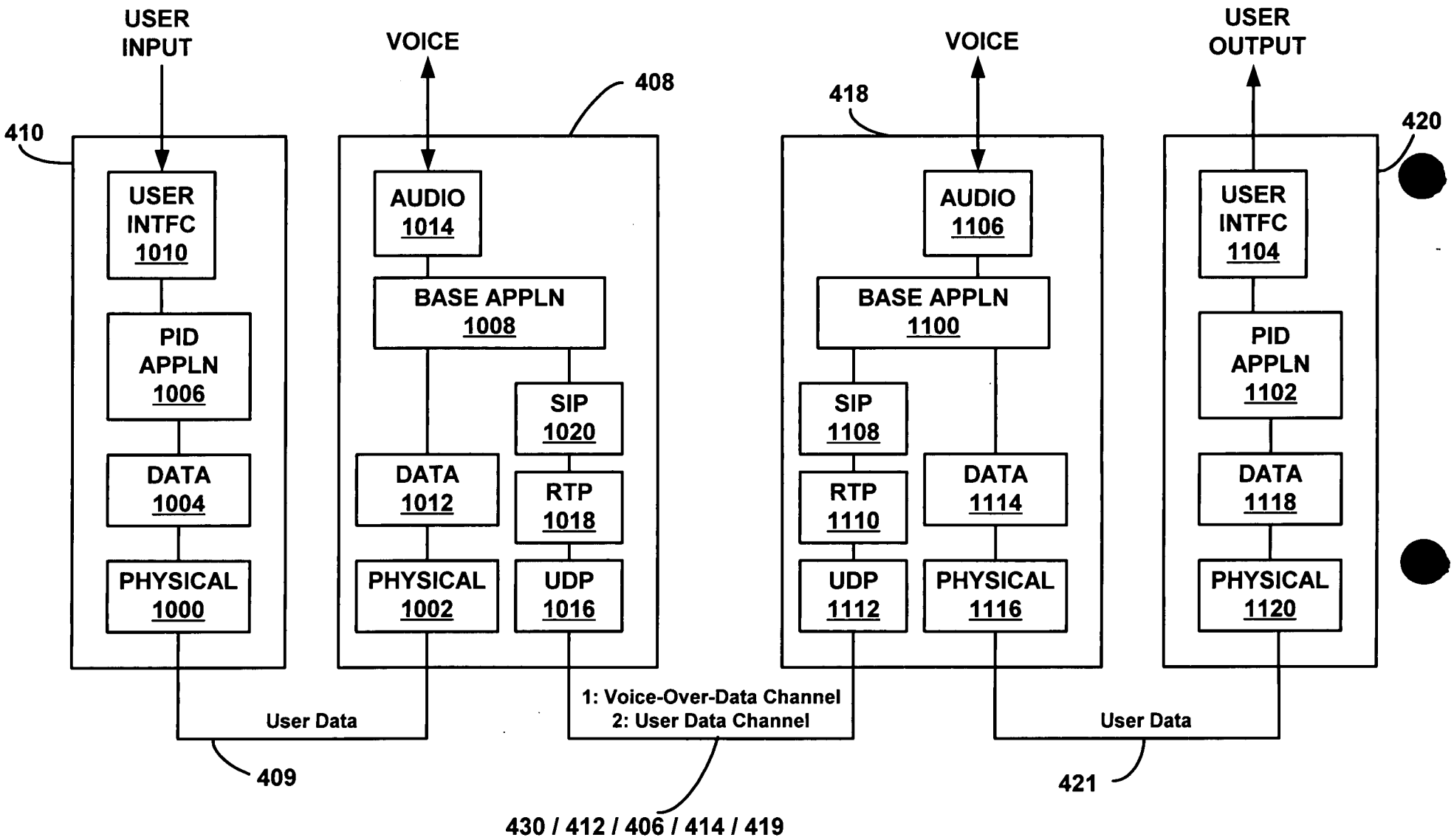


FIG. 12

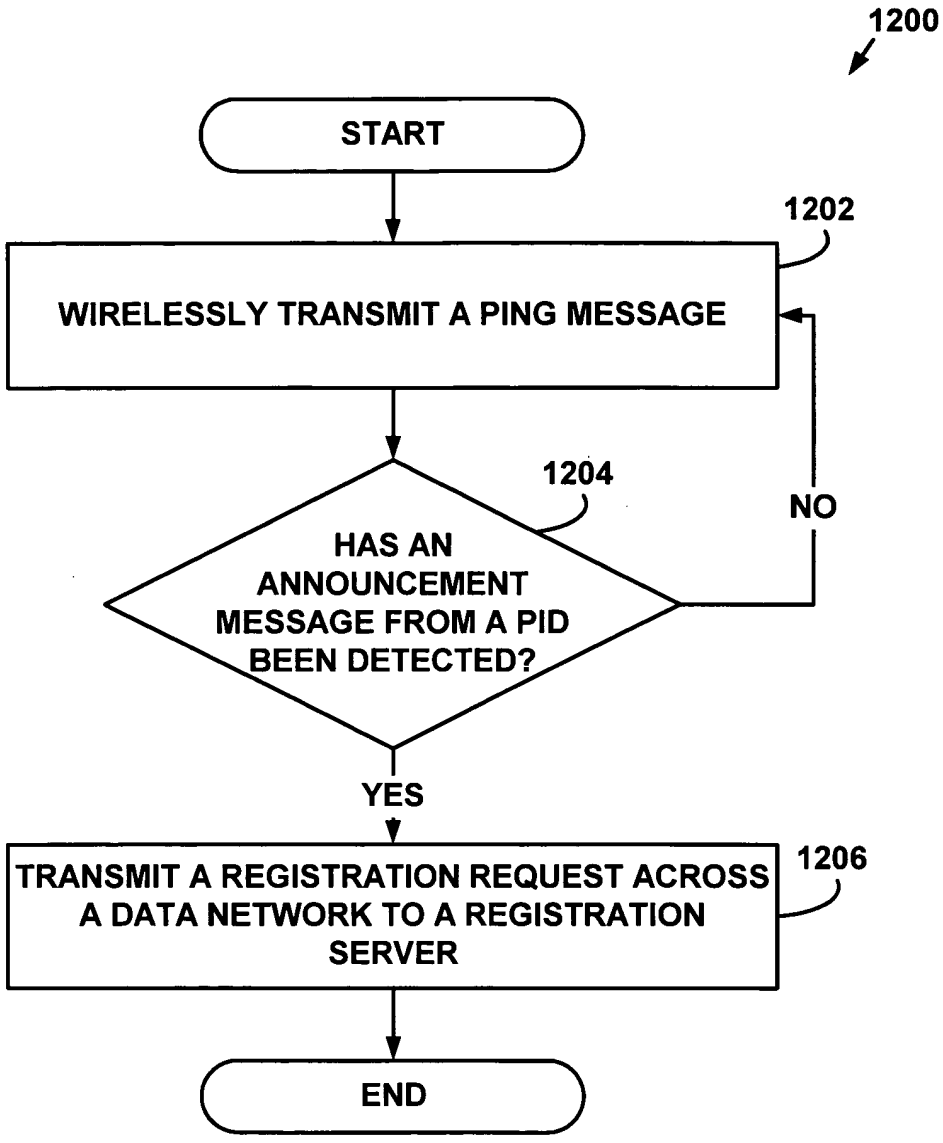

1200
START
1202
WIRELESSLY TRANSMIT A PING MESSAGE
1204
HAS AN ANNOUNCEMENT MESSAGE FROM A PID BEEN DETECTED?
NO
YES
1206
TRANSMIT A REGISTRATION REQUEST ACROSS A DATA NETWORK TO A REGISTRATION SERVER
END

FIG. 13

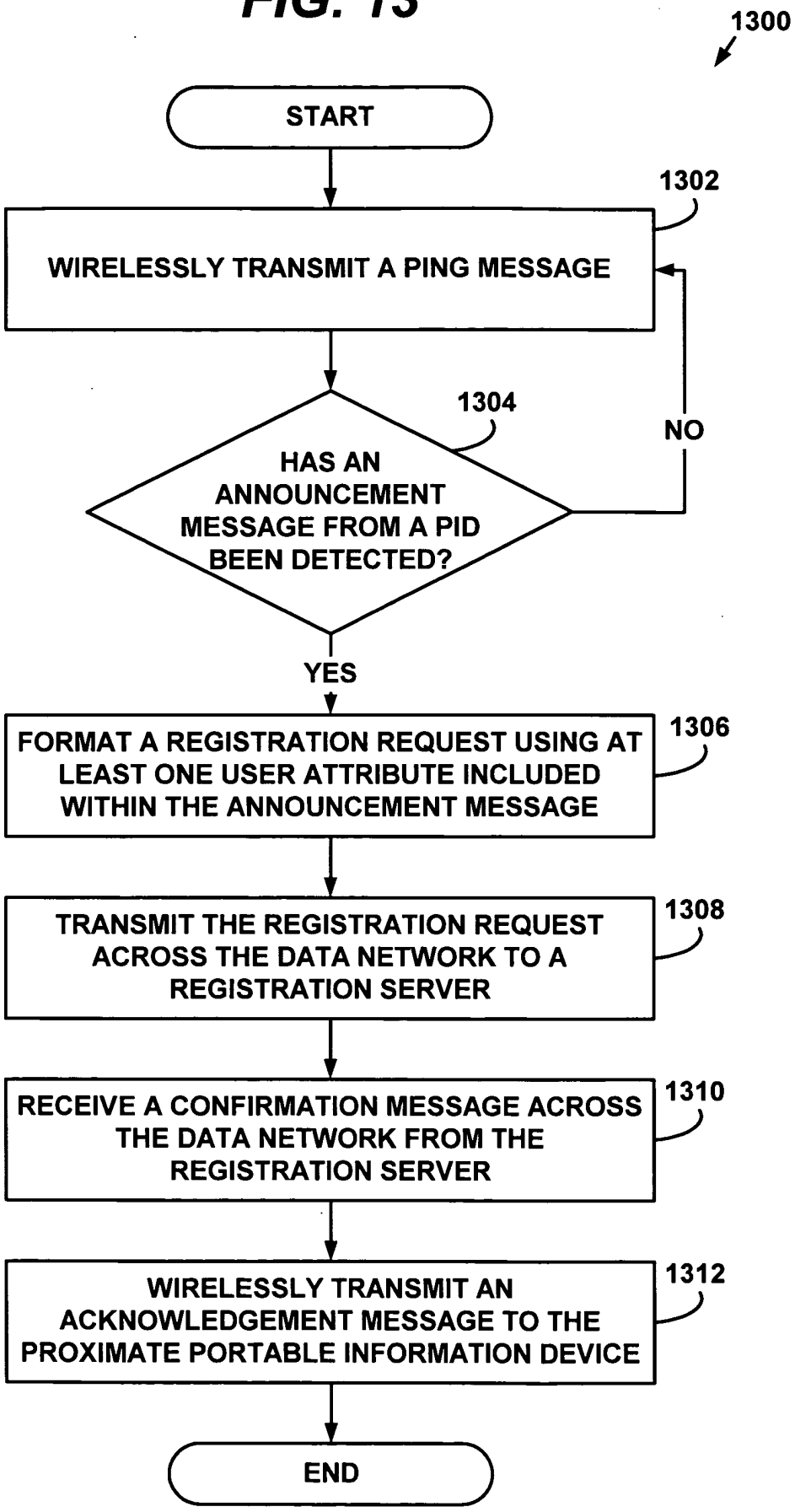

1300
START
1302
WIRELESSLY TRANSMIT A PING MESSAGE
1304
HAS AN ANNOUNCEMENT MESSAGE FROM A PID BEEN DETECTED?
NO
YES
1306
FORMAT A REGISTRATION REQUEST USING AT LEAST ONE USER ATTRIBUTE INCLUDED WITHIN THE ANNOUNCEMENT MESSAGE
1308
TRANSMIT THE REGISTRATION REQUEST ACROSS THE DATA NETWORK TO A REGISTRATION SERVER
1310
RECEIVE A CONFIRMATION MESSAGE ACROSS THE DATA NETWORK FROM THE REGISTRATION SERVER
1312
WIRELESSLY TRANSMIT AN ACKNOWLEDGEMENT MESSAGE TO THE PROXIMATE PORTABLE INFORMATION DEVICE
END

FIG. 14

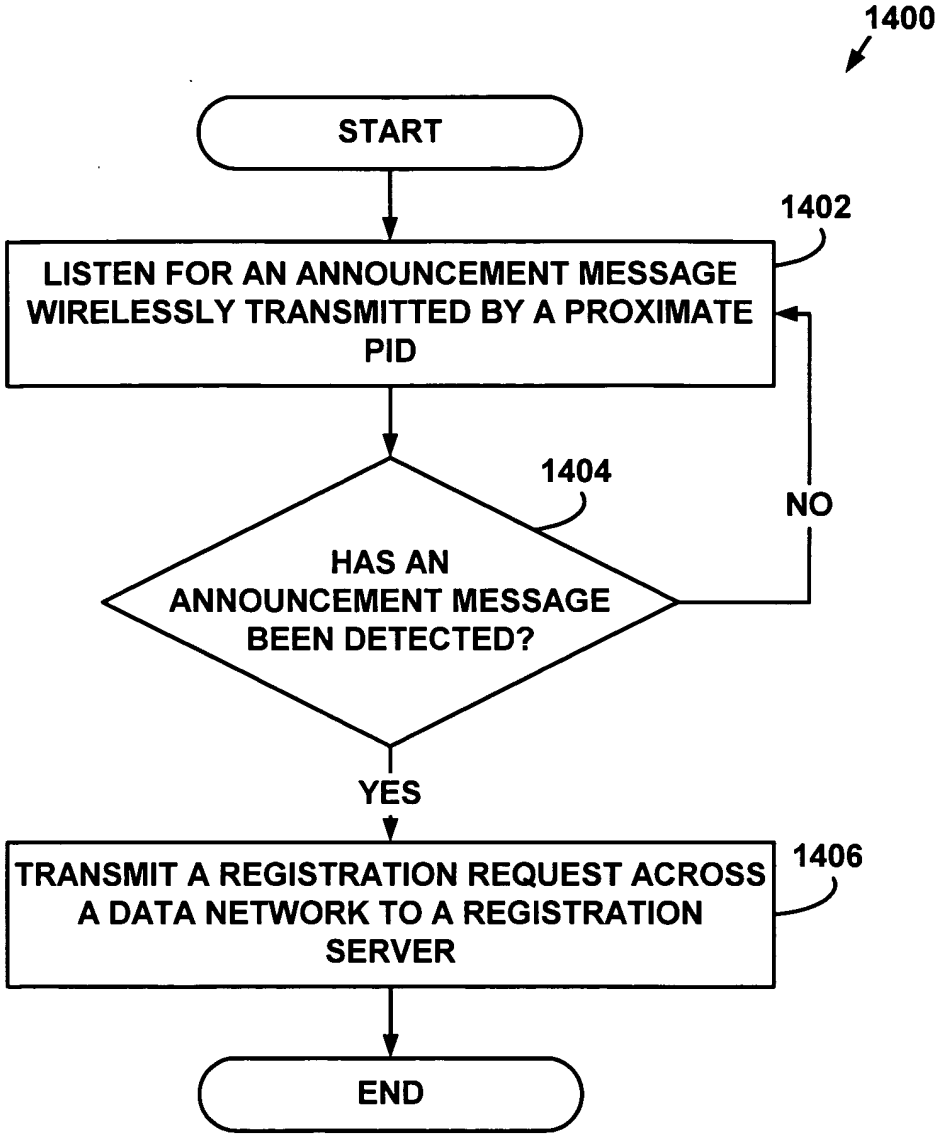

1400
START
1402
LISTEN FOR AN ANNOUNCEMENT MESSAGE WIRELESSLY TRANSMITTED BY A PROXIMATE PID
1404
HAS AN ANNOUNCEMENT MESSAGE BEEN DETECTED?
NO
YES
1406
TRANSMIT A REGISTRATION REQUEST ACROSS A DATA NETWORK TO A REGISTRATION SERVER
END

FIG. 15

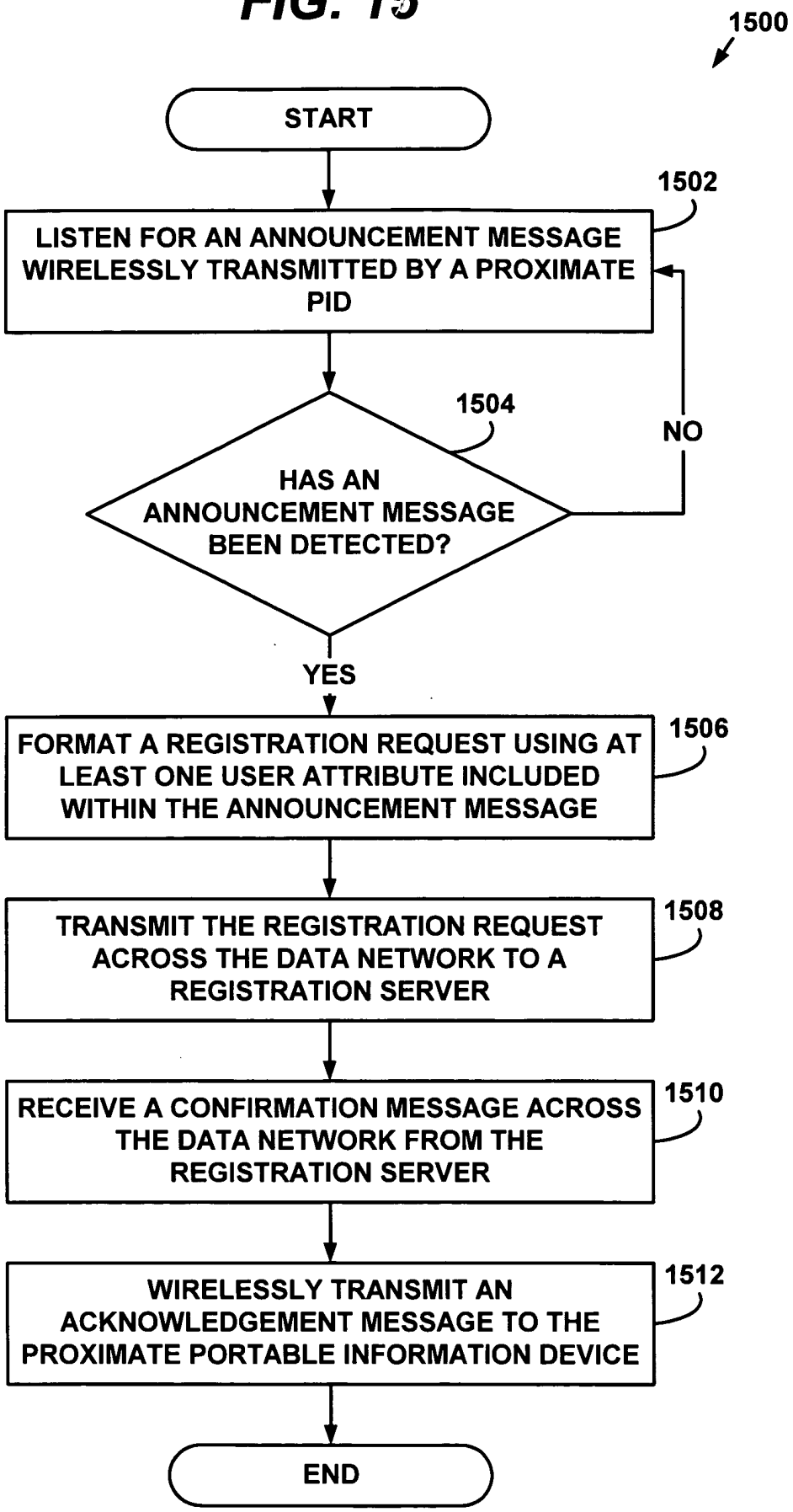

1500
START
1502
LISTEN FOR AN ANNOUNCEMENT MESSAGE WIRELESSLY TRANSMITTED BY A PROXIMATE PID
1504
HAS AN ANNOUNCEMENT MESSAGE BEEN DETECTED?
NO
YES
1506
FORMAT A REGISTRATION REQUEST USING AT LEAST ONE USER ATTRIBUTE INCLUDED WITHIN THE ANNOUNCEMENT MESSAGE
1508
TRANSMIT THE REGISTRATION REQUEST ACROSS THE DATA NETWORK TO A REGISTRATION SERVER
1510
RECEIVE A CONFIRMATION MESSAGE ACROSS THE DATA NETWORK FROM THE REGISTRATION SERVER
1512
WIRELESSLY TRANSMIT AN ACKNOWLEDGEMENT MESSAGE TO THE PROXIMATE PORTABLE INFORMATION DEVICE
END

FIG. 16

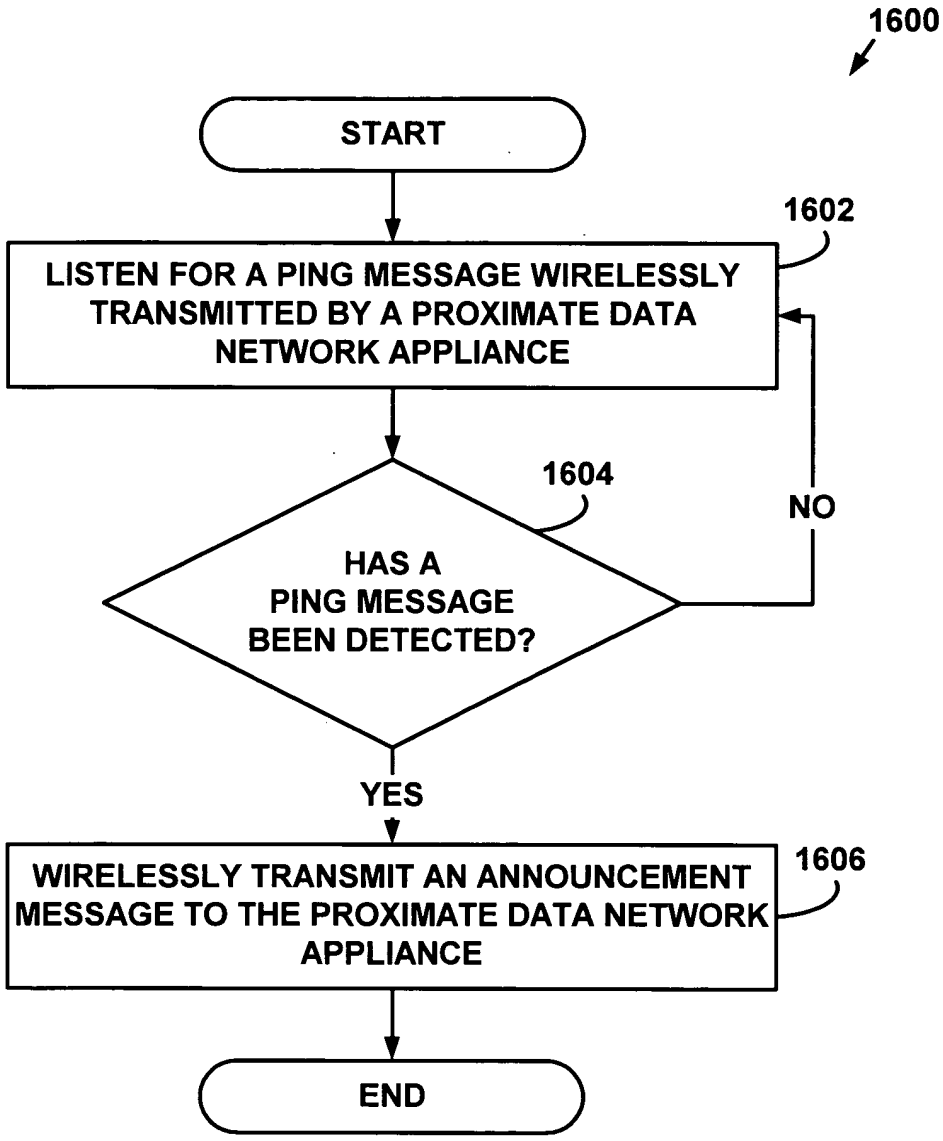

1600
START
1602
LISTEN FOR A PING MESSAGE WIRELESSLY TRANSMITTED BY A PROXIMATE DATA NETWORK APPLIANCE
1604
HAS A PING MESSAGE BEEN DETECTED?
NO
YES
1606
WIRELESSLY TRANSMIT AN ANNOUNCEMENT MESSAGE TO THE PROXIMATE DATA NETWORK APPLIANCE
END

FIG. 17

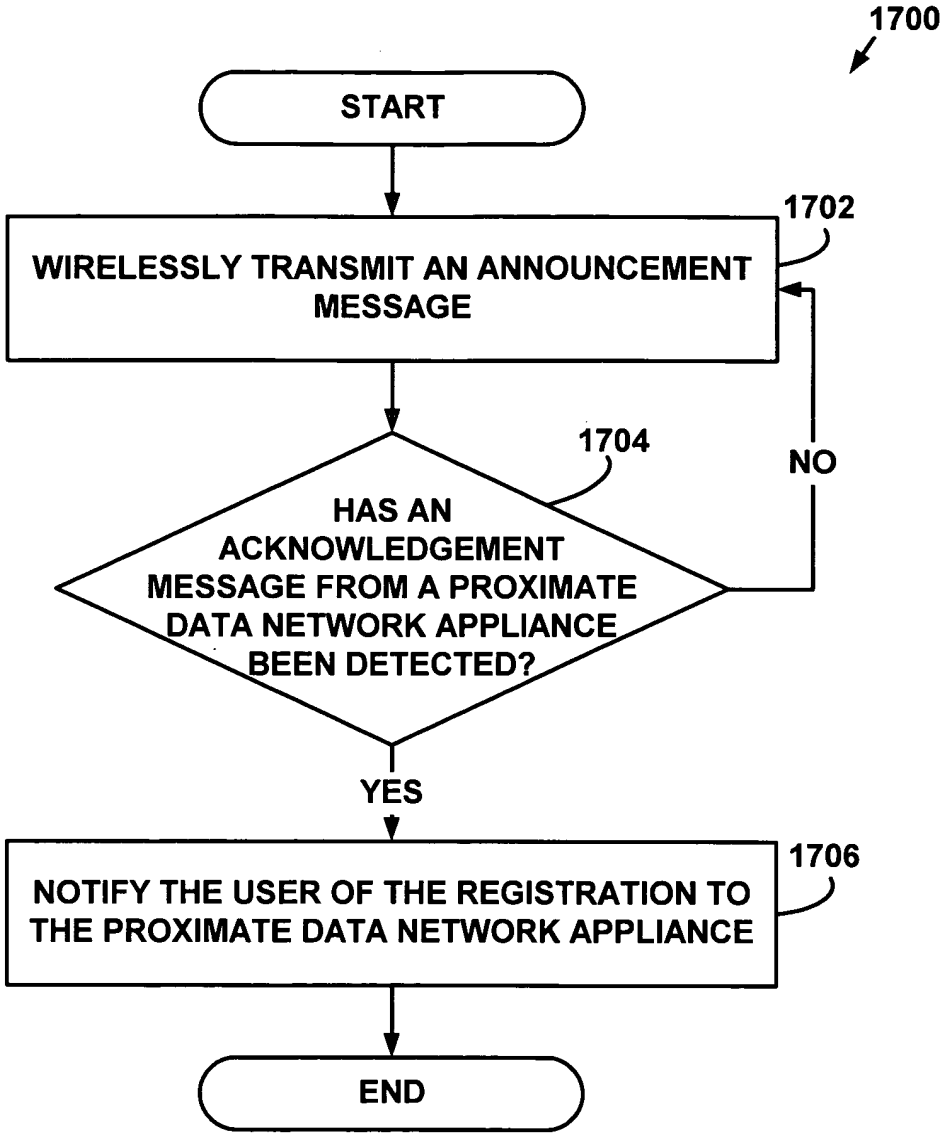
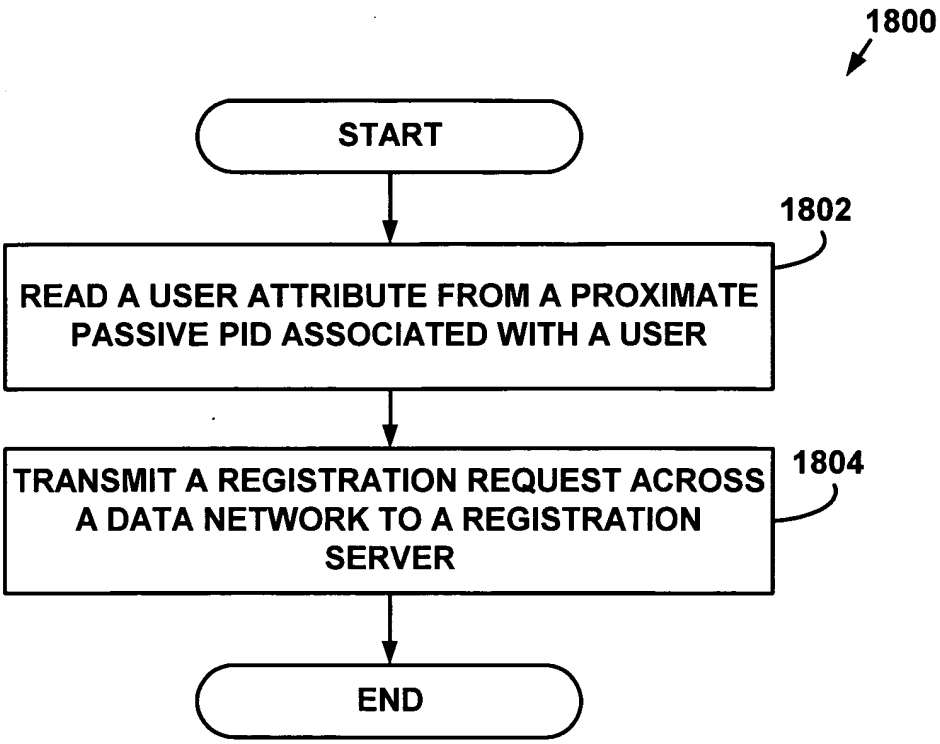

1700
START
1702
WIRELESSLY TRANSMIT AN ANNOUNCEMENT MESSAGE
1704
HAS AN ACKNOWLEDGEMENT MESSAGE FROM A PROXIMATE DATA NETWORK APPLIANCE BEEN DETECTED?
NO
YES
1706
NOTIFY THE USER OF THE REGISTRATION TO THE PROXIMATE DATA NETWORK APPLIANCE
END

FIG. 18


1800
START
1802
READ A USER ATTRIBUTE FROM A PROXIMATE PASSIVE PID ASSOCIATED WITH A USER
1804
TRANSMIT A REGISTRATION REQUEST ACROSS A DATA NETWORK TO A REGISTRATION SERVER
END